

cement to the surface.

9-5/8" casing will be cemented with approximately 2000 sacks of "Light" cement followed with 200 sacks of Class "C". Cement to circulate.

7" casing will be cemented with approximately 500 sacks of Class "C" cement.

Production liner will be either 4-1/2" or 5" casing. Liner will be cemented with approximately 125 sacks of Class "H" or sufficient to circulate the liner.

Cement quantities and additives may be varied to best suit hole conditions when casing is run.

5. PRESSURE CONTROL EQUIPMENT:

While drilling the 12-1/4" hole, blowout prevention equipment will consist of two ram type, Series 900 preventers. Three ram type and one annular type, 5000 psi working pressure preventers will be in use while drilling the 8-3/4 and 6-1/8" hole.

BOP sketches are attached.

6. CIRCULATING MEDIUM:

Surface to 1300 feet: Fresh water with gel or lime as needed for viscosity control.

1300 feet to 5500 feet: Brine with salt gel or lime as needed for viscosity control.

5500 feet to 10,900 feet: Cut brine. Additives as necessary for control of pH, viscosity and weight.

10,900 feet to 11,600 feet: Water base drilling fluid, conditioned as necessary for control of viscosity and water loss. Weighted as necessary for well control.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor in the open position while drilling operations are in progress.